

PCT REQUESTOriginal (for **SUBMISSION**)

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.162)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	United Kingdom Patent Office (RO/GB)
0-7	Applicant's or agent's file reference	P64658WO00
I	Title of Invention	IMPROVEMENTS IN OR RELATING TO MOLECULAR ARRAYS
II	Applicant	
II-1	This person is	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	SOLEXA LIMITED
II-5	Address	Chesterford Research Park Little Chesterford Saffron Walden Essex CB10 1XL United Kingdom
II-6	State of nationality	GB
II-7	State of residence	GB

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III-1	Applicant and/or inventor	
III-1-1	This person is	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	SMITH, Mark Edward Brennan
III-1-5	Address	Solexa Limited Chesterford Research Limited Little Chesterford Saffron Walden Essex CB10 1XL United Kingdom
III-1-6	State of nationality	GB
III-1-7	State of residence	GB
III-2	Applicant and/or inventor	
III-2-1	This person is	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	SABOT, Andrea
III-2-5	Address	Solexa Limited Chesterford Research Park Little Chesterford Saffron Walden Essex CB10 1XL United Kingdom
III-2-6	State of nationality	IT
III-2-7	State of residence	GB
III-3	Applicant and/or inventor	
III-3-1	This person is	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	RASALONJATOVO, Isabelle Marie Julia
III-3-5	Address	Solexa Limited Chesterford Research Park Little Chesterford Saffron Walden Essex CB10 1XL United Kingdom
III-3-6	State of nationality	FR
III-3-7	State of residence	GB

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III-4	Applicant and/or inventor	
III-4-1	This person is	applicant and inventor
III-4-2	Applicant for	US only
III-4-4	Name (LAST, First)	SOHNA SOHNA, John-Ernest
III-4-5	Address	Solexa Limited Chesterford Research Park Little Chesterford Saffron Walden Essex CB10 1XL United Kingdom
III-4-6	State of nationality	CM
III-4-7	State of residence	GB
III-5	Applicant and/or inventor	
III-5-1	This person is	applicant and inventor
III-5-2	Applicant for	US only
III-5-4	Name (LAST, First)	HORGAN, Adrian Martin
III-5-5	Address	Solexa Limited Chesterford Research Park Little Chesterford Saffron Walden Essex CB10 1XL United Kingdom
III-5-6	State of nationality	GB
III-5-7	State of residence	GB
IV-1	Agent or common representative; or address for correspondence	
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	WHITE, Nina Louise
IV-1-2	Address	BOULT WADE TENNANT Verulam Gardens 70 Gray's Inn Road LONDONWC1X 8BT
IV-1-3	Telephone No.	+44 (0)20 7430 7500
IV-1-4	Facsimile No.	+44 (0)20 7430 7600
IV-1-5	e-mail	boult@boult.com
IV-2	Additional agent(s)	additional agent(s) with same address as first named agent

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IV-2-1	Name(s)	BAYLISS, Geoffrey, Cyril; ALEXANDER, Thomas, Bruce; CROSS, Rupert, Edward, Blount; BUCKS, Teresa, Anne; BALDOCK, Sharon, Claire; PLUCKROSE, Anthony, William; MCLEISH, Nicholas, Alistair; HAYES, Adrian, Chetwynd; MERRIFIELD, Sarah, Elizabeth; DRAPER, Martyn, John; FROST, Alex, John; SETNA, Rohan, Piloo; THOMSON, Neil, David; PALMER, Jonathan, Richard	
V	DESIGNATIONS		
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all-Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.		
VI-1	Priority claim of earlier national application		
VI-1-1	Filing date	07 January 2004 (07.01.2004)	
VI-1-2	Number	0400253.1	
VI-1-3	Country	GB	
VI-2	Priority claim of earlier regional application		
VI-2-1	Filing date	05 August 2004 (05.08.2004)	
VI-2-2	Number	04254726.5	
VI-2-3	Regional Office	EP	
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)	
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	1	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	

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VIII-4-1	<p>Declaration: Inventorship (only for the purposes of the designation of the United States of America) Declaration of Inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:</p>	<p>I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.</p> <p>This declaration is directed to the international application of which it forms a part (if filing declaration with application).</p> <p>I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications", by application number, country or Member of the World Trade Organization, day, month, and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.</p>
VIII-4-1-1	Prior applications:	0400253.1, GB, 07 January 2004 (07.01.2004) ;04254726.5, EP, 05 August 2004 (05.08.2004)

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	<p>I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>	
VIII-4-1- 1-1	Name (LAST, First)	
VIII-4-1- 1-2	Residence: (city and either US State, if applicable, or country)	
VIII-4-1- 1-3	Mailing address:	
VIII-4-1- 1-4	Citizenship:	
VIII-4-1- 1-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1- 1-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	

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VIII-4-1- 2-1	Name (LAST, First)	SABOT, Andrea
VIII-4-1- 2-2	Residence: (city and either US State, if applicable, or country)	Saffron Walden, United Kingdom
VIII-4-1- 2-3	Mailing address:	Solexa Limited Chesterford Research Park Little Chesterford Saffron Walden, Essex CB10 1XL United Kingdom
VIII-4-1- 2-4	Citizenship:	IT
VIII-4-1- 2-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1- 2-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	
VIII-4-1- 3-1	Name (LAST, First)	RASALONJATOVO, Isabelle Marie Julia
VIII-4-1- 3-2	Residence: (city and either US State, if applicable, or country)	Saffron Walden, United Kingdom
VIII-4-1- 3-3	Mailing address:	Solexa Limited Chesterford Research Park Little Chesterford Saffron Walden, Essex CB10 1XL United Kingdom
VIII-4-1- 3-4	Citizenship:	FR
VIII-4-1- 3-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1- 3-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	

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VIII-4-1- 4-1	Name (LAST, First)	SOHNA SOHNA, John-Ernest
VIII-4-1- 4-2	Residence: (city and either US State, if applicable, or country)	Saffron Walden, United Kingdom
VIII-4-1- 4-3	Mailing address:	Solexa Limited Chesterford Research Park Little Chesterford Saffron Walden, Essex CB10 1XL United Kingdom
VIII-4-1- 4-4	Citizenship:	CM
VIII-4-1- 4-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1- 4-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	
VIII-4-1- 5-1	Name (LAST, First)	HORGAN, Adrian Martin
VIII-4-1- 5-2	Residence: (city and either US State, if applicable, or country)	Saffron Walden, United Kingdom
VIII-4-1- 5-3	Mailing address:	Solexa Limited Chesterford Research Park Little Chesterford Saffron Walden, Essex CB10 1XL United Kingdom
VIII-4-1- 5-4	Citizenship:	GB
VIII-4-1- 5-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1- 5-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	

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IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	9	✓
IX-2	Description	79	-
IX-3	Claims	10	-
IX-4	Abstract	1	✓
IX-5	Drawings	12	-
IX-7	TOTAL	111	
	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-13	Priority document(s)	Item(s) VI-1	-
IX-17	PCT-SAFE physical media	-	✓
IX-19	Figure of the drawings which should accompany the abstract		-
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	WHITE, Nina Louise	
X-1-2	Name of signatory		
X-1-3	Capacity		

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by the International Bureau	
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